

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1-9. (Canceled)

10. (Currently amended) An image pickup device comprising:  
a sensor and optical means through which the device receives light radiation in an object field and directs it toward the sensor,

wherein the optical means comprise at least one mirror and a plurality of entry pupils, each said entry pupil for observing a distinct part of the object field,

wherein the light radiation to be observed by each said pupil is reflected by one of the at least one mirror directed toward a separated part of the sensor by the optical means.

11. (Previously Presented) The device as claimed in claim 10, wherein the various parts of the object field partially overlap.

12. (Previously Presented) The device as claimed in claim 10, wherein each part of the object field is associated with a useful part of an image plane formed on the sensor by the optical means, and in that the various useful parts are separated by a space.

13. (Previously Presented) The device as claimed in claim 12, wherein the sensor is produced on a substrate, and wherein signal processing means are produced in the space on the substrate.

14. (Original) The device as claimed in claim 10, wherein each part of the object field is associated with a useful part of an image plane formed on the sensor by the optical means, and wherein the entry pupils have a geometry similar to that of the useful parts.

15. (Original) The device as claimed in claim 10, wherein the optical means comprise at least one element with negative optical power.

16. (Original) The device as claimed in claim 10, wherein the optical means are produced in a single transparent piece.

17. (Original) The device as claimed in claim 10, wherein the optical means comprise at least two mirrors associated with each part of the object field.

18. (Original) The device as claimed in claim 10, wherein the light radiation observed by each pupil is constantly directed toward a separate part of the sensor by the optical means.

19. (New) An image pickup device comprising:

a sensor and optical means through which the device receives light radiation in an object field and directs it toward the sensor,

wherein the optical means comprise at least one mirror and a plurality of entry pupils, each said entry pupil for observing a distinct part of the object field,

wherein the light radiation to be observed by each said pupil is directed toward a separated part of the sensor by the optical means,

wherein the optical means are produced in a single transparent piece.